

# Map Unit Description

Las Animas County Area, Colorado, Parts of Huerfano and Las Animas Counties

## MIK Midway-Chicosa complex, 5 to 35 percent slopes

### Setting

Landscape: Foothills  
Elevation: 5500 to 6500 feet  
Mean annual precipitation: 14 to 16 inches  
Mean annual air temperature: 48 to 54 degrees F  
Frost-free period: 120 to 145 days

### Composition

Midway and similar soils: 45 percent  
Chicosa and similar soils: 40 percent

### Description of Midway

#### Setting

Landform: Fan remnants, pediments  
Landform position (two-dimensional): Backslope  
Down-slope shape: Linear  
Across-slope shape: Convex  
Parent material: Slope alluvium and residuum weathered from shale

#### Properties and Qualities

Slope: 15 to 35 percent  
Surface area covered with stones and boulders: 10.0 percent  
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 15 percent  
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)  
Sodium adsorption ratio maximum: 15.0  
Available water capacity: Low (about 3.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 7e  
Land capability (non irrigated): 7e  
Ecological site: Shaly Foothill (R049BY212CO)  
Other vegetative classification: Shaly Foothills #212 (049XY212)

#### Typical Profile

0 to 4 inches: clay loam  
4 to 10 inches: silty clay  
10 to 18 inches: silty clay  
18 to 39 inches: bedrock

### Description of Chicosa

#### Setting

Landform: Fan remnants  
Landform position (two-dimensional): Shoulder, summit  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Sandy and gravelly alluvium

#### Properties and Qualities

Slope: 5 to 25 percent  
Surface area covered with stones and boulders: 20.0 percent  
Depth to restrictive feature: 14 to 30 inches to Strongly contrasting textural stratification  
Drainage class: Somewhat excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 40 percent  
Gypsum maximum: 0 percent

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Sodium adsorption ratio maximum: 5.0

Available water capacity: Very low (about 1.8 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e

Land capability (non irrigated): 6e

Ecological site: Gravelly Foothill (R049XB214CO)

### Typical Profile

0 to 6 inches: gravelly loam

6 to 20 inches: very gravelly loam

20 to 37 inches: extremely gravelly sandy loam

37 to 72 inches: extremely gravelly loamy sand